

L1 ANSWER 1 OF 1 CA COPYRIGHT 2003 ACS
 AN 126:187669 CA
 TI Manufacture of high-bulk-density granular laundry detergents containing
 pelletized bleaching activators with uniform particle size distribution
 IN Ishikawa, Satoyuki; Shinjo, Yoshiko; Fukutome, Shinichi; Abe, Seiji
 PA Lion Corp, Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C11D011-00
 ICS C11D003-39; C11D003-395; D06L003-02
 CC 46-5 (Surface Active Agents and Detergents)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09013097	A2	19970114	JP 1995-165391	19950630 <--
PRAI	JP 1995-165391		19950630		

OS MARPAT 126:187669
 AB Title detergents are manufd. by crushing high-bulk-d. compds. contg.
 surfactants in the presence of bleaching activators granulated using org.
 binding agents. Thus, C11H23CO2-p-C6H4SO3Na was kneaded with PEG 6000
 and
 extruded to obtain granules, 2 parts of which were crushed with Na2CO3
 and
 a compn. comprising Na C14-18 alkylbenzenesulfonates, K C14-18
 .alpha.-olefin sulfonates, .alpha.-sulfo fatty acid Na salts,
 polyoxyethylene lauryl ether, zeolite A, K2CO3, Na2SO4, poly(Na
 acrylate),
 and H2O and mixed with Na peroxocarbonate and an alk. protease to give
 detergent granules with bulk d. 0.75-0.90, av. particle diam. 500 .mu.m,
 and uniform particle size distribution.
 ST high bulk density granular bleaching detergent; org binding agent
 bleaching activator granulation; uniform particle size distribution
 detergent granular; laundering garment bleach detergent granular
 IT Detergents
 (laundry; manuf. of high-bulk-d. granular laundry bleaching detergents
 using org. binding agents with uniform particle size distribution)
 IT Bleaching agents
 (manuf. of high-bulk-d. granular laundry bleaching detergents using
 org. binding agents with uniform particle size distribution)
 IT 9002-92-0, Polyoxyethylene lauryl ether 25322-68-3, PEG 6000
 RL: TEM (Technical or engineered material use); USES (Uses)
 (binding agents; manuf. of high-bulk-d. granular laundry bleaching
 detergents using org. binding agents with uniform particle size
 distribution)
 IT 56670-30-5 56670-31-6 86960-46-5 89740-12-5 89740-13-6
 114808-03-6 142942-54-9 160541-71-9 160541-72-0 172284-81-0
 172284-85-4 177077-49-5
 RL: TEM (Technical or engineered material use); USES (Uses)
 (manuf. of high-bulk-d. granular laundry bleaching detergents using
 org. binding agents with uniform particle size distribution)

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